

Title (en)
Ultrasonic transducer and method of producing the same

Title (de)
Ultraschallwandler und Herstellungsverfahren dafür

Title (fr)
Transducteur ultrasonique et son procédé de fabrication

Publication
EP 2036620 B1 20150429 (EN)

Application
EP 08253002 A 20080911

Priority
• JP 2007235724 A 20070911
• JP 2007235725 A 20070911
• JP 2008194433 A 20080729

Abstract (en)
[origin: EP2036620A1] An ultrasonic transducer (1, 1', 31, 31', 41, 41', 51, 51', 71, 71', 81) includes: piezoelectric elements (8 to 11, 88 to 91); a pair of clamping members (2, 82, 3, 83) which clamp said piezoelectric elements (8 to 11, 88 to 91); and a cover member (12, 92) which is crimped to at least one of said pair of clamping members (2, 3, 82, 83) in a state where said cover member cooperates with said pair of clamping members (2, 3, 82, 83) to surround said piezoelectric elements (8 to 11, 88 to 91).

IPC 8 full level
B06B 1/06 (2006.01)

CPC (source: EP US)
B06B 1/0607 (2013.01 - EP US); **G10K 11/004** (2013.01 - EP US); **A61B 2017/320089** (2017.07 - EP US)

Cited by
CN106076793A; EP3088723A1; WO2011131954A3; WO2023121664A1; WO2011131954A2; US9065038B2; WO2018013629A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 2036620 A1 20090318; EP 2036620 B1 20150429; US 2009066192 A1 20090312; US 7876030 B2 20110125

DOCDB simple family (application)
EP 08253002 A 20080911; US 20753908 A 20080910